



B-21183

भारत का राजपत्र

The Gazette of India

प्रापिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 41] नई विल्सनी, शनिवार, अक्टूबर 15, 1983 (आश्विन 23, 1905)

No. 41] NEW DELHI, SATURDAY, OCTOBER 15, 1983 (ASVINA 23, 1905)

इस भाग में भिन्न पृष्ठ संख्या की जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 15th October 1983

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below:—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400013.

Telegraphic address "PATOFFICE".

The State of Gujarat, Maharashtra and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

Telegraphic address "PATENTOFIC".

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

Telegraphic address "PATENTOFIS".

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Patent Office, (Head Office),
214, Acharya Jagadish Bose Road,
Calcutta-700 017.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Officers of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214 ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017.

8th September, 1983

1096/Cal/83. Schlumberger Technology Corporation. A circuit and method for reducing transient signals that result from switching a different capacitor between a pair of terminals in an electronic system for producing a log of a borehole. [Divisional date 27th February, 1979].

1097/Cal/83. Schlumberger Technology Corporation. A variable loopwidth carrier tracking loop for locking onto the carrier of an input signal. [Divisional date 27th February, 1979].

1098/Cal/83. Schlumberger Technology Corporation. A method of stabilizing a carrier tracking loop and an apparatus including a carrier tracking loop so stabilized. [Divisional date 27th February, 1979].

1099/Cal/83. Montedison S.p.A. Catalyst components and catalysts for the polymerization of olefins.

1100/Cal/83. Moshe Guez. Recordings on cinematic film.

1101/Cal/83. Kennecott Corporation. Formation of alumina products from a liquid dispersion through the use of electrophoretic deposition.

1102/Cal/83. Aikoh Co. Ltd. A method for the heat retaining of blind filter and a heat-retaining agent therefor.

1103/Cal/83. Buckman Laboratories Inc. Preservation of aqueous solutions emulsions and dispersions.

9th September, 1983

1104/Cal/83. Dr. Dipak Kumar Bhattacharyya and Md. Ali Newaz. A new *in situ* refining & randomization process to prepare useful & nutritionally important modified fat products from commercial refined oils & fats.

1105/Cal/83. Donald Ian Guy Macleod. Improvements in and relating to submersible hydraulic bore and well pump. (9th September, 1982).

1106/Cal/83. FMC Corporation. Telecontrol system for cranes.

1107/Cal/83. Gnb Batteries Inc. Low antimony leadbased alloy and method.

1108/Cal/83. Toyo Engineering Corporation. Reaction method and reactor therefor.

12th September, 1983

1109/Cal/83. Rotabolt Limited. Fastener device (23rd November, 1982).

1110/Cal/83. Radiation Dynamics Inc. Method for manufacturing heat recoverable tubing.

1111/Cal/83. Maschinenfabrik Rieter Ag. Grating.

1112/Cal/83. Stoping Aktiengesellschaft. Sealing arrangement on locking bodies.

1113/Cal/83. The Air Preheater Company Inc. Process for manufacturing heat transfer element sheets for a rotary regenerative heat exchanger.

1114/Cal/83. The Air Preheater Company Inc. A method of filtering particulate matter from a particulate matter-laden gas stream to obtain a clean gas stream.

1115/Cal/83. Joseph Vanago. Integral peripheral locking device for closures.

1116/Cal/83. Dr. Anil Krishna Kar. Installation for conversion of solar radiation into electrical energy by the greenhouse effect.

13th September, 1983

1117/Cal/83. Eimco (Great Britain) Limited. A container.

1118/Cal/83. MK Electric Limited. Electrical Track (14 September, 1982 and 10th May, 1983)

1119/Cal/83. Trutzschler GMBH & Co. KG. Method and device for controlling and/or regulating a spinning preparation plant.

1120/Cal/83. Beloit Corporation. Extended Nip press.

1121/Cal/83. Beloit Corporation. Profiling air/steam system for paper-making machines.

1122/Cal/83. Combustion Engineering Inc. A method and an apparatus for removing sulphur dioxide from a flue gas stream.

14th September, 1983

1123/Cal/83. Arbed S.A. Process and apparatus for heating a steel bath charged with scrap.

1124/Cal/83. Dr. C. Otto & Comp. GmbH. Shaft cooler for the dry quenching of coke.

1125/Cal/83. Westinghouse electric Corporation. Thrust bearing starter apparatus and method.

1126/Cal/83. Kabushiki Kaisha Meidensha. Operating apparatus of circuit breaker.

1127/Cal/83. Eagleair, Inc. Burner register assembly.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, KAROL BAGH, NEW DELHI 5.

1st August, 1983

525/Del/83. E. R. SQUIBB & SONS, INC., "Azetidine Compounds".

2nd August, 1983

526/Del/83. CARD-O-MATIC PTY. LTD., "A punch and winding machine". (August 4, 1982, October 21, 1982, December 23, 1982 & March 31, 1983).

527/Del/83. D.B.A. "Stop key for the valve plunger of an assistance servomotor and assistance servomotor equipped with such a key".

528/Del/83. CRA EXPLORATION PTY. LTD., "Particle distributing and sorting method and apparatus". (August 4, 1982).

529/Del/83. CRA EXPLORATION PTY. LTD., "Particle sorting method and apparatus". (August 4, 1982).

3rd August, 1983

530/Del/83. Shri Ram Institute for Industrial Research. "A process for the pretreatment of polysaccharides".

531/Del/83. Meenakshi Bhasin, "A peak flow meter".

532/Del/83. Bharat Heavy Electricals Ltd., "A process for the treatment of high speed steel tools and to a cryostat therefor".

533/Del/83. Simplex-GE Limited., "Coupling device". (August 26, 1982 & October 26, 1982).

534/Del/83. Marc Schumann, "Method of treating a substance by sublimation or evaporation, device and installation for carrying out the method".

535/Del/83. Ruhrohemic Aktiengesellschaft, "Treatment and discharge of ASH-containing fuel residues".

4th August, 1983

536/Del/83. Freimut Riemer, "A preparation for antimicrobially treating feeds and foodstuffs".

5th August, 1983

537/Del/83. Toyo Engineering Corporation, "Process for thermal cracking of heavy oil".

538/Del/83. The M.W. Kellogg Co., "Preparation of ammonia synthesis gas".

6th August, 1983

539/Del/83. Council of Scientific & Industrial Research, "A novel process for the preparation of isocyanate terminated (Telechelic) diene pre-polymers by the free radical polymerization technique".

8th August, 1983

540/Del/83 Solvay & Cie, "Use of Complex granules containing active protein substances". [Divisional date January 4, 1980].

541/Del/83 Solvay & Cie, "Use of complex granules containing active protein substances". [Divisional date January 4, 1980].

542/Del/83 The B. F. Goodrich Company, "Process for the chlorination of polyvinyl chloride resin".

543/Del/83 Dnepropetrovsky Meditsinsky Institut, "Dental prosthesis and method for making same".
 544/Del/83 UOP Inc., "High efficiency separation process".
 545/Del/83 Ghanshyam Das Aggarwal, "A hydrocephalus shunt valve".

9th August, 1983

546/Del/83 Emhart Industries, Inc., "Mould arrangement for glassware forming machine" (September 3, 1982 & March 17, 1983).

547/Del/83 Uniroyal, Inc., "Photosensitive elastomeric polymer composition for flexographic printing plates, processable in semiaqueous basic solution or solvent".

10th August, 1983

548/Del/83 Kapcompany General Limited, "A constant pressure valve".

549/Del/83 Cement Research Institute, "A process for the preparation of fast setting and high early strength cement composite".

550/Del/83 Pfizer Corporation, "Triazole antifungal agents" (August 14, 1982 & November 2, 1982).

551/Del/83 Michael Stuart Gardner, "Animal identification tag" (August 18, 1982).

11th August, 1983

552/Del/83 Imperial Chemical Industries PLC., "Polymerisation process" (October 1, 1982).

12th August, 1983

553/Del/83 R & M Company, "A process for the manufacture of glass tiles".

554/Del/83 Morgan Construction Company, "Apparatus and methods for combined hot rolling and treating steel rod".

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the Specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 128 G 152080
 Int. Cl. A 61 m 31/00

APPARATUS FOR THE HYSTEROSCOPIC NON-SURGICAL STERILIZATION OF FEMALES.

Applicants : R S P COMPANY OF 95 EAST PUTNAM AVENUE, GREENWICH, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : ROVERT ALLAN ERB.

Application No. 754/Cal/1979 filed July 23, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

15 Claims

An apparatus for non-surgically occluding an oviduct with formed in-place elastomeric plugs comprising in combination; a hysteroscope of the type having an operating channel; a pair of substantially co-extensive telescoping tubes dimensioned for insertion through said operating channel an inner tube for conveying a fluid catalyzed elastomer-precursor material and an outer tube for cooperating with said inner tube and releasing a formed-in-place plug; means for dispensing fluid catalyzed elastomer-precursor material through said inner tube under pre-determined pressure and means for coupling said dispensing means to said inner tube.

Compl. Specn. 19 pages. Drgs. 2 sheets.

CLASS 152 E, 154 D 152081
 Int. Cl. C 08 d 1/00, C 08 f 1/16

PHOSPHINE ACTIVATED PHOTOSENSITIVE COMPOSITIONS AND PHOTOPOLYMER PRINTING PLATES MADE THEREFROM.

Applicants : NAPP SYSTEMS (USA), INC. OF 360 SOUTH PACIFIC, P. O. BOX 246 SAN MARCOS, CALIFORNIA 92069 UNITED STATES OF AMERICA.

Inventors : 1. SAKUO OKAI, 2. KOICHI KIMOTO.

Application No. 1002/Cal/1979 filed September 24, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

19 Claims

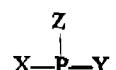
A water developable photopolymerizable composition comprising :

a. at least 0.1 parts by weight of the total composition of a monomer component including at least one water-soluble monofunctional unsaturated ethylenic monomer, or the combination of said monofunctional monomer and at least one polyfunctional unsaturated ethylenic monomer, said monomers capable of forming a polymer by photoinitiated polymerization in the presence of a polymerization initiator activatable by actinic light :

b. at least 0.1 parts by weight of the total composition of a polymer component including a partially saponified, water-soluble, polyvinyl acetate polymer compatible with said monomer component containing both acetyl and hydroxy groups, and having a polymerization degree of about 300 to 2,000 and a saponification degree of about 65 to 99 mole percent;

c. at least 0.001 parts by weight of the total composition of a photopolymerization initiator compatible with said monomer component and said polyvinyl acetate polymer, and activatable by actinic light; and,

d. at least 0.001 parts by weight of the total composition of an activator including a phosphine derivative described by the formula :



wherein any X, Y and Z are hydrogen, halogen, alkyl, alkoxy, aryl, vinyl or allyl and at least one of X, Y and Z is aryl.

compl. specn. 31 pages. Drg. Nil.

CLASS 39 B, 70 B 152082
Int. Cl. B 01 k 3/10, C 01 d 1/06

POLYMERIC MICROPOROUS SEPARATORS FOR USE IN ELECTROLYTIC PROCESSES AND METHOD OF MAKING THE SAME.

Applicants : HOOKER CHEMICALS & PLASTICS CORP. OF 47TH & BUFFALO AVENUE NIAGARA FALLS, NEW YORK STATE, UNITED STATES OF AMERICA.

Inventors : 1. CHRISTINE A. LAZARZ, 2. EDWARD H. COOK, JR., AND 3. ARTHUR C. SCHULZ.

Application No. 1064/Cal/79 filed October 11, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

18 Claims

A polymeric microporous electrolytic cell separator having :

- a. porosity of at least 60%.
- b. thickness of between 8 and 130 mils;
- c. hysteresis of from 30 to 99 wherein hysteresis is defined as the ratio of the amount of mercury trapped within the pore structure of the separator after release of pressure to 1 psi compared to the amount of mercury present when first subjected to total impregnation by mercury at 50,000 psi, and
- d. distribution of pore sizes in a range between 0.004 and 34 microns wherein at least 85% of said pores have a diameter of between 0.12 and 33 microns and at least 60% of said pores have a diameter between 0.59 and 33 microns; wherein

said porosity, thickness, hysteresis, and pore size distribution are adapted to provide said separator with the property of exhibiting a high current efficiency including the property of a current efficiency of 85% to 98% when measured at a sodium hydroxide concentration of 150 gpl and said separator having hydraulic properties adapted for use in a commercial scale cell.

Compl. specn. 69 pages Drg. 4 sheets.

CLASS 39 L 152083
Int. Cl. C 01 f 7/20

PROCESS FOR THE REMOVAL OF ORGANIC COMPOUNDS FROM ALUMINA PRODUCTION CYCLE.

Applicants : NAGYAR ALUMINIUMIPARI TROSZT OF 56. POZSONYI UT., BUDAPEST, HUNGARY AND VEB MANSFELD KOMBINAT WILHELM PIECK OF 41 LESSINGSTRASSE 92, FREIBERG, EAST GERMANY.

Inventors : 1. IVAN FEHER, 2. JANOS ZAMBO, 3. MARIA ORBAN KELEMEN, 4. KAROLY SOLYMAR, 5. JANOS STEINER, 6. JOZSEI MATYASI, 7. ZOLTAN SZABO, 8. IBOLYA-PERL MOLNAR, 9. MARGIT-SZAKACS PINTER, 10. LASZLO MAROS, 11. DIETER LOWE, 12. RUDOLF SIEBERT, AND 13. SIEGFRIED ZIEGENBALG.

Application No. 1176/Cal/79 filed November 12, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the removal of organic compounds from alumina production cycle performed according to the Bayer process, characterized in that the cycle liquor is optionally concentrated and heated to 120–350°C, oxygen or an oxygen-containing gas such as air, enriched with oxygen is introduced into the liquor until a partial oxygen pressure of 3 to 30 atmospheres, is attained, oxygen is finely dispersed in the liquor and, if necessary, oxygen is supplemented according to the consumption, thereafter pressure is decreased to atmospheric, and the solid decomposition products of the organic impurities are separated from the liquor.

Compl. specn. 21 pages. Drgs. 4 sheets.

CLASS 32 E, 55 D₂ 152084
Int. Cl. A 01 n 17/00, B 01 j 13/02

A PROCESS OF ENCAPSULATING WATER-IMMISCIBLE MATERIAL WITHIN A SHELL WALL OF POLYUREA.

Applicants : MONSANTO COMPANY OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166 UNITED STATES OF AMERICA.

Inventors : 1. GEORGE BERNARD BEESTMAN AND 2. JOHN MILEY DEMING.

Application No. 344/Cal/80 filed March 25, 1980.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

A process of encapsulating water-immiscible material within a shell wall of polyurea which comprises :

- (a) providing an aqueous phase containing an emulsifier selected from the group consisting of the sodium, potassium, magnesium, calcium or ammonium salts of lignin sulfonate;
- (b) dispersing in said aqueous phase, a water-immiscible phase consisting essentially of polymethylene polyphenylisocyanate dissolved in said water-immiscible material, to form a dispersion of water-immiscible phase droplets throughout the aqueous phase;
- (c) adding, with agitation, to said dispersion a polyfunctional amine whereby said amine reacts with polymethylene polyphenylisocyanate to form a polyurea shell wall about said water-immiscible material.

Compl. specn. 36 pages Drgs. Nil.

CLASS 98 E 152085
Int. Cl. F 28 d 7/00

HEAT-EXCHANGER CONSTRUCTIONAL COMPONENTS FOR BUILDING AND/OR INSTALLATION PURPOSES.

Applicants & Inventors : HARL HEINZ VAHLBRAUK OF KRIEGERWEG 1, D-3353 BAD GANDERSHEIM, FEDERAL REPUBLIC OF GERMANY.

Application No. 445/Cal/80 filed April 17, 1980.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

A block-shaped or panel-shaped heat-exchanger component for building and/or installation purposes, particularly heating or cooling units, having ducts therein for conveying a heat-transfer medium, wherein the ducts comprise channels formed in a component comprising a body unit of ceramic foam material and outer wall regions of a material of higher

heat conductivity than the body unit, at least the outwardly-facing channel walls being formed of the material of the outer wall regions.

Compl. specn. 17 pages. Drgs. 1 sheet.

CLASS 32 B
Int. Cl. C 07 c 7/08

IMPROVED PROCESS FOR SEPARATING CONJUGATED DIOLEFIN HYDROCARBONS FROM A HYDROCARBON MIXTURE.

Applicants : NIPPON ZEON CO., LTD. OF 6-1, 2-CHOME, MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. HIROSHI HOKARI, 2. SHINZO HAYAMA.

Application No. 498/Cal/81 filed May 12, 1981.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

4 Claims

In a process for separating conjugated diolefin hydrocarbons such as 1, 3-butadiene or isoprene which are relatively easily soluble hydrocarbons from a hydrocarbon mixture, especially a C_4 hydrocarbon mixture or a C_6 hydrocarbon mixture, which comprises extractively distilling the hydrocarbon mixture in an extractive distillation apparatus composed of two stages of a unit consisting of an extractive distillation column and a stripping column using a polar extractive solvent, the improvement wherein a first-stage extractive distillation column is operated at a higher bottom pressure than the bottom pressure of a second-stage extractive distillation column, and a pre-stripping column is provided between the first-stage extractive distillation column and a first-stage stripping column, and by operating the pre-stripping column at a pressure equal to or lower than the bottom pressure of the first-stage extractive distillation column and equal to or higher than the bottom pressure of the second-stage extractive distillation column, a gas of the relatively easily soluble hydrocarbon generated in the pre-stripping column is directly sent to the second-stage extractive distillation column without going through the first-stage stripping column and a compressor or pump.

Compl. specn. 15 pages. Drgs. 2 sheets.

CLASS 32 E, 40 B
Int. Cl. B 01 j 11/00

A PROCESS FOR PREPARING A CATALYST COMPOSITION FOR HOMOPOLYMERIZING ETHYLENE AND THE CATALYST COMPOSITION PREPARED BY THE SAME.

Applicants : UNION CARBIDE CORPORATION OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. BURKHARD ERIC WAGNER, 2. FREDERICK JOHN KAROL, 3. GEORGE LENARD GOEKE, 4. ROBERT JAMES JORGENSEN, 5. NILS FRIIS.

Application No. 320/Cal/79 filed March 30, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for preparing a catalyst composition which comprises

(a) forming, a precursor composition of the formula



wherein R is —— a C_1 to C_{14} aliphatic

or aromatic hydrocarbon radical, or COR' wherein R' is a C_1 to C_{14} aliphatic or aromatic hydrocarbon radical, X is selected from the group consisting of /Cl, Br, I, or mixtures thereof,

ED is an electron donor compound,

m is ≥ 0.5 to ≤ 56

n is 0 or 1

p is ≥ 6 to ≤ 116 and,

q is ≥ 2 to ≤ 85

by dissolving at least one magnesium compound and at least one titanium compound in at least one electron donor compound so as to thereby form a solution of said precursor composition in said electron donor compound, and recovering said precursor composition from said solution,

said magnesium compound having the structure MgX_2 ,

said titanium compound having the

structure $Ti(OR)_aX_b$

wherein a is 0 or 1, b is 2 to 4

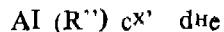
inclusive and $a+b=3$ or 4

said electron donor compound being a liquid organic compound in which said magnesium compound and said titanium compound are soluble and which is selected from the group consisting of alkyl esters of aliphatic and aromatic carboxylic acids, aliphatic ethers, cyclic ethers and aliphatic ketones,

and said magnesium compound, said titanium compound and said electron donor compound being employed in such amounts as to satisfy the values of m, n, p and q,

(B) diluting said precursor composition with 1 to 10 parts by weight, per part by weight of said precursor composition, of at least one inert carrier material, and

(C) partially or completely activating the diluted precursor composition with up to 400 mols of activator compound per mol of titanium in said precursor composition, said activator compound having the structure



Wherein X' is Cl or OR'' , R'' and R'' are the same or different and are C_1 to C_{14} saturated hydrocarbon radicals, d is 0 to 1.5, e is 1 or 0 and $c+d+e=3$;

said partial activating being

conducted with ≥ 0 to ≤ 10 mols of said activator compound, and said complete activating being conducted with ≥ 10 to 400 mols of said activator compound.

Compl. specn. 46 pages. Drg. 1 sheet.

CLASS : 32 E, 40B.
Int. Cl. : B 01 i 11/00.

152088.

IMPREGNATED POLYMERIZATION CATALYST PROCESS FOR PREPARING THE SAME AND ITS USE FOR ETHYLENE COPOLYMERIZATION.

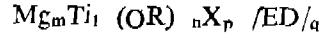
Applicants : UNION CARBIDE CORPORATION OF 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. GEORGE LEONARD GOEKE, 2. BURKHARD ERIC WAGNER, AND 3. FREDERICK JOHN KAROL.

Application No. 321/Cal/79 filed March 30, 1979.

18 Claims.

A catalyst composition comprising a precursor composition of the formula



wherein R is a C_1 to C_{14} aliphatic or aromatic hydrocarbon radical, or COR' wherein R' is a C_1 to C_{14} aliphatic or aromatic hydrocarbon radical,

X is selected from the group consisting of C1, Br, I or mixtures thereof,

ED is an electron donor compound,

m is ≥ 0.5 to ≤ 56 ,

n is 0, 1 or 2,

p is ≥ 2 to ≤ 116 , and

q is ≤ 2 to ≤ 85 ,

said precursor composition being impregnated in a porous support and being either unactivated, or partially activated with

≥ 0 to ≤ 10 mols of activator compound per mol of Ti in said precursor composition or completely activated with

≥ 10 to ≤ 400 mols of activator compound per mol of Ti in said precursor composition,

said activator compound having the formula

$Al(R')X^dH^e$

wherein X' is Cl or OR", R" and R" are the same or different, and are C₁ to C₄ saturated hydrocarbon radicals, d is 0 to 1.5, e is 1 or 0 and $c+d+e=3$;

said electron donor compound being a liquid organic compound in which said precursor composition is soluble and which is selected from the group consisting of alkyl esters of aliphatic and aromatic carboxylic acids, aliphatic ethers, cyclic ethers and aliphatic ketones.

(Compl. specn. 57 pages. Drgs. 1 sheet).

CLASS : 176 E & F, 85 F & J.
Int. Cl. : F 27 b 15/00.

152089.

A FLUIDIZED BED COMBUSTOR FOR THE BURNING OF PULVERIZED FUEL.

Applicants : COMBUSTION ENGINEERING, INC. OF 1000 PERSPECTIVE HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : RICHARD EDWARD WARYASZ.

Application No. 520/Cal/1979 filed May 18, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A fluidized bed combustor for the burning of pulverised fuel comprised of waterwall tubing having inlet and outlet ends thereof arranged to form a rectangular enclosure that surrounds a combustion chamber and has open areas at the bottom and top of the said rectangular enclosure for the inlet and outlet of fuel and air, a source of cooling fluid, an outlet header connected to the outlet ends of said waterwall tubing and arranged to receive the cooling fluid after it has circulated therethrough, and an "L" shaped inlet header adjacent the periphery of said fluidized bed adapted to supply cooling fluid from said source of cooling fluid to the inlet ends of said waterwall tubes for circulation to the outlet header.

(Compl. specn. 10 pages. Drgs. 3 sheets).

CLASS : 62 E.
Int. Cl. : B 08 b 3/04, D 06 f 11/00.

152090.

APPARATUS FOR CONTINUOUSLY WASHING FABRIC WITH WATER.

Applicants : WAKAYAMA IRON WORKS, LIMITED OF 4, 2-CHOME, MINAMI-KATAHARA, WAKAYAMA-SHI, WAKAYAMA-KEN, JAPAN.

Inventors : 1. KIICHI OGATA AND 2. OSAMU FUNAHASHI.

Application No. 1249/Cal/79 filed November 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An apparatus for continuously washing a fabric with water while causing the fabric to travel in a zigzag path and to be immersed many times in washing water, said apparatus comprising :

at least one roll for introducing a fabric into said apparatus;

a washing assembly located above said introducing roll and comprising a plurality of washing units arranged in a vertical multi-stage form, each washing unit comprising a vessel for containing washing water, first and second dipping rolls located in said washing water vessel and first and second guide rolls space from said washing water vessel and respectively corresponding to said first and second dipping rolls, said first dipping roll and said second guide roll being located between said second dipping roll and said first guide roll, a portion of the peripheral surface of said first guide roll, from which portion the fabric leaves said first guide roll, being located at a higher level than a portion of the peripheral surface of said first dipping roll, with which portion of said first dipping roll the fabric comes into contact, and a portion of the peripheral surface of said second guide roll, from which portion the fabric leaves said second guide roll, being located at a higher level than a portion of the peripheral surface of said second dipping roll, with which portion of said second dipping roll the fabric comes into contact;

at least one roll for withdrawing said fabric from said apparatus, located above said washing assembly;

means for feeding washing water into an uppermost washing water vessel;

means for connecting each of said washing water vessels, except for the lowermost washing water vessel, to the next lower washing water vessel, and;

means for discharging the waste washing water from said apparatus.

(Compl. specn. 29 pages. Drgs. 2 sheets).

CLASS : 61 A, D & H.

152091.

Int. Cl. : F 26 I 19/00, 21/02.

METHOD AND APPARATUS FOR DRYING PRODUCTS WITH A CLOSED GAS STREAM AND A DESICCANT LIQUID.

Applicants : ENERGIAGAZDALKODASI INTEZET OF 33, BEM-RKP, BUDAPEST II, HUNGARY.

Inventors : DR. LASZLO SZUCS, ANDRAS HORVATH, EMOD SIGMOND AND GYORGY WAERMER.

Application No. 1250/Cal/79 filed November 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims.

A method of drying products such as for example wood or bricks comprising the steps of introducing the product to be dried into a drying compartment; continuously circulating a drying gas stream in a manner for example as hereinbefore described so as to cause it to pass past the product to be dried;

contacting the drying gas stream with a desiccant liquid to remove moisture from the gas; and regenerating the desiccant liquid by circulating at least a part of it through regenerating means to remove moisture therefrom characterized by providing at least one layer of the desiccant liquid at the boundary of or within the drying compartment, and traversing said at least one desiccant liquid layer by the drying gas stream.

(Compl. specn. 46 pages. Drgs. 7 sheets).

CLASS : 14 A.

152092.

Int. Cl. : H 01 m 1/00.

ELECTRIC BATTERIES FOR USE WITH MINER'S CAP LAMPS.

Applicants : CHLORIDE GROUP LIMITED OF 52 GROSVENOR GARDENS, LONDON SW1W OAU, ENGLAND.

Inventors : 1. KENNETH HENSON, 2. CHRISTOPHER TERRELL.

Application No. 268/Cal/80 filed March 7, 1980.

Convention date : 7th March, 1970(08035/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An electric battery having two or more cells for use with a miners cap lamp in which the cells are sealed by a common inner lid, the battery further having a common outer lid extending substantially over the entire area of the inner lid and together with the inner lid defining a space accommodating the terminal connectors and a safety valve for each cell.

(Compl. specn. 11 pages. Drg. 1 sheet).

CLASS : 69 B & Q.

152093.

Int. Cl. : H 01 h 37/00, 61/00.

PROTECTIVE RELAY HAVING MEANS FOR ALTERING A SWITCHING CONTACT ARRANGEMENT THEREOF.

Applicants : SIMENS AKTIENGESELLSCHAFT OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : ALBERT WARNEST.

Application No. 309/Cal/80 filed March 18, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A protective relay having a resiliently flexible normally open contact member, a normally closed contact member, a switching contact member and a lockable push rod which cooperates with the normally open contact member to adjust the relay between manual and automatic resetting, the push rod being movable against the resilient force of the normally open contact member to effect manual resetting, wherein the push-rod is mounted for movement substantially in the direction of flexing of the normally open contact member, and is lockable in a position for automatic resetting by rotation about its longitudinal axis.

(Compl. specn. 8 pages. Drgs. 3 sheets).

CLASS : 85 C.

152094.

Int. Cl. : F 22 b 37/00.

COMBUSTION SYSTEM.

Applicants : COMBUSTION ENGINEERING INC. OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : BRAIN CARTER JONES.

Application No. 570/Cal/80 filed May 13, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A combustion system including a furnace housing enclosing a fluidized bed of particulate coal and limestone that burns to form gaseous products of combustion and residual char, an outlet in said furnace for the exhaust of the products of combustion and char entrained therein, means separating the products of combustion from said char, a source of crushed coal including coarse and fine particles, means separating the coarse particles of coal from the fine particles, means supplying the coarse particles of coal to the top of the fluidized bed in the furnace, a source of transport air, a transport line adapted to supply the transport air to said housing, an inlet in said housing adapted to receive the transport air and exhaust it into the fluidized bed, and means supplying fine particles of coal and residual char to the transport air whereby they are simultaneously exhausted into the fluidized bed.

(Compl. Specn. 7 pages. Drg. 1 sheet).

CLASS : 172, C9.

152095.

Int. Cl. : D 01 g 9/00.

A DEVICE FOR CLEANING AND DE DUSTING TEXTILE FIBERS.

Applicants : TRUTZSCHLER GMBH & CO. KG., DUVENTSTR OF 82-92, D-4050 MONOCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. WOLFGANG BENEKE, 2. FERDINAND LEIFELD.

Application No. 1073/Cal/80 filed September 20, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

37 Claims.

A device for cleaning and de-dusting textile fibre laps comprising a casing, a pipe line passing through the casing, for conveying textile fibre laps carried by air current, at least one injector fitted in the pipe line in series therewith, an air eliminating zone in the casing having outlet passages for air, means for blowing air into the injector and means for withdrawing air from the air eliminating zone characterized in that the air eliminating zone has at least one comb and in that the injector has on its outlet side at least one comb spaced therefrom, the textile fibre laps adapted to strike against the combs.

(Compl. specn. 18 pages Drgs. 7 sheets)

CLASS : 119 B.

152096.

Int. Cl. : D 03 d 49/00.

APPARATUS FOR COUPLING A HARNESS MOTION FOR A HARNESS FRAME.

Applicants : SULZER-RUTI MACHINERY WORKS LTD. OF 8630 RTI, ZURICH, SWITZERLAND.

Inventors : 1. ERHARD FREISIER AND 2. PAUL HALTMAYER.

Application No. 1079/Cal/80 filed September 23, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

An apparatus for coupling a harness motion to a harness frame of loan, having a hook, said hook having a jaw with a hook jaw surface to receive a correspondingly shaped counterpart, characterized in that a resting surface (18) is provided for the counterpart (9), said resting surface adjoining the hook jaw surface in alignment therewith.

(Compl. specn. 16 pages. Drg. 2 sheets).

CLASS : 172 C; 172 D; 172 E.

152097.

Int. Cl. : D 01 h 7/24.

APPARATUS FOR CONTROLLING THE BOBBIN DRIVE OF A SPEED FRAME.

Applicants : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT OF FRIEDRICH-EBERT-STRASSE 84, 8070, INGOISTADT, WEST GERMANY.

Inventors : 1. HERMANN ADOLF AND 2. BERNHARD GRUPP.

Application No. 430/Cal/79 filed April 28, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for controlling the bobbin drive of a speed frame, of which the drive for the delivery rollers and for the flyers can be adjusted, in stepwise manner and during the build-up of a package, to different speeds, containing a positioning gear unit which is coupled to a differential gear and which can be acted on by a positioning member, characterized in that controllers with selectable step magnitude are associated with the positioning member for controlling its drive in increments or steps which differ from speed stage to speed stage.

(Compl. specn. 19 pages Drgs. 1 sheet).

CLASS : 107 H.

152098.

Int. Cl. : F 02 m 65/00.

APPARATUS FOR TESTING THE FUEL PUMP OF AN INTERNAL COMBUSTION ENGINE.

Applicants : CUMMINS ENGINE COMPANY, INC. OF 1000 5TH STREET, COLUMBUS, INDIANA, UNITED STATES OF AMERICA

Inventors : 1. DENNIS O TAYLOR, 2. CLEARANCE E. KINCAID AND 3. DONALD R. HAEFNER.

Application No. 934/Cal/79 filed September 6, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Apparatus for testing the fuel pump of an internal combustion engine wherein the engine speed may be controlled by adjusting the pressure of fuel supplied to the engine through a fuel supply system, comprising:

(a) fuel inlet means adapted for fluid connection with the engine fuel pump for receiving the total fuel output of the fuel pump while the pump remains mounted on and mechanically driven by the engine;

(b) fuel outlet means fluidically connected with said fuel inlet means and adapted for fluid connection with the fuel supply system for supplying at least a portion of the fuel output of the engine fuel pump back to the fuel supply system for combustion in the engine;

(c) pressure regulator means fluidically connected with said fuel inlet means and said fuel outlet means for selectively regulating the pressure of the fuel supplied to said outlet means to cause the engine to drive selectively the fuel pump at each one of a plurality of predetermined speeds; and

(d) sensing means for measuring the delivery characteristics of the fuel pump at each of the plurality of predetermined speeds at which the fuel pump is driven.

(Compl. specn. 30 pages. Drgs. 4 sheets).

CLASS : 141 C.

152099.

Int. Cl. : C 01f 7/38.

A CALCINING INSTALLATION.

Applicants : ALUMINIUM PECHINEY OF 23 BIS RUE BALZAC, 75008 PARIS, FRANCE, AND FIVES-CAIL BABCOCK, OF 7 RUE MONTALIVET, 75383 PARIS, CEDEX 08, FRANCE.

Inventors : 1. VILBERT LABRIOT, 2. ROBERT BITSCH, 3. MICHEL WATTELIE, AND 4. JEAN LEBESGUE.

Application No. 1243/Cal/79 filed November 27, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved calcining installation for the calcination of alumina and similar products comprising a rotary tubular kiln

equipped with a burner and a cyclone type preheater placed at the head of the kiln and in which the product to be calcined is heated by exhaust gases from the kiln, wherein the burner is located in the up stream half of the kiln, with respect to the product flow through the kiln, an air inlet is provided at the kiln down stream end, and the kiln upstream end, from which the gases flow out, is connected by a duct to the preheater which comprises at least one cyclone, at least one further cyclone and a pipe connecting these cyclones to each other and comprising a vertical section where gases flow upwards and which is fitted on its lower part with an inlet for the product to be calcined.

(Compl. specn. 10 pages. Drgs. 2 sheets).

CLASS : 90 C, H & I.

152100.

Int. Cl. : C 03 b 23/02.

APPARATUS AND METHOD FOR PRODUCING A CURVED GLASS SHEET.

Applicants : TRIPLEX SAFETY GLASS COMPANY LIMITED OF TRIPLEX HOUSE ECKERSALL ROAD, KINGS MORTON, BIRMINGHAM B38 8SR, ENGLAND.

Inventors : PAUL ARTHUR BRERETON.

Application No. 1292/Cal/79 filed December 11, 1979.

Convention date : 11th December 1978 (47920/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A method of producing a curved glass sheet in which a hot glass sheet at forming temperature is suspended at a series of gripping locations spaced along the upper margin of the sheet, characterised by subjecting the hot glass sheet to individual forces at those gripping locations at least some of which individual forces have components out of the plane of the sheet, individually selecting the magnitude and direction of each of said forces in dependence on the weight and shape of the glass to ensure that the freely suspended hot glass sheet adapts towards a predetermined curved shape as the magnitudes and directions of the forces vary during the change of shape of the glass, and permitting the magnitudes and directions of the forces to vary so that the influence of the total force system acting on the sheet in changing the shape of the sheet diminishes as the sheet approaches the predetermined curved shape.

(Compl. specn. 73 pages. Drgs. 10 sheets).

CLASS : 56 G, 61 C & H.

152101.

Int. Cl. : B 01 j 9/00, F 26 b 17/10; 19/00.

APPARATUS FOR FLUIDIZED BED DRYING OF STARCH.

Applicants : CPC INTERNATIONAL INC. OF INTERNATIONAL PLAZA ENGLEWOOD CLIPFS, NEW JERSEY 07632, U.S.A.

Inventors : WILLARD E. JADDING.

Application No. 1302/Cal/79 filed December 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Apparatus for fluidized bed drying of starch and for carrying out chemical reactions in a fluidized bed comprising :

(a) an elongate upstanding housing defining (1) an upper fluidized chamber and a lower fluidized chamber, with both the upper and lower fluidized chambers including mechanical agitating means therein, and (2) a plurality of open-ended tubes positioned intermediate of the upper and lower chamber and communicating therewith;

(b) inlet means to supply a fluidizable material to the upper fluidized chamber; and

(c) means to supply a fluidizing fluid to the lower fluidized chamber whereby the fluid passes upwardly through the lower fluidized chamber, the tubes and the upper chamber to maintain the fluidizable material therein in a fluidized state; characterized in that the apparatus contains :

(d) a generally upstanding discharge leg, means to supply fluidizing fluid to said leg, means to supply fluidizable material from one of said fluidized chambers to said leg whereby the fluidizing fluid supplied to said leg serves to fluidize the fluidizable material therein, and means mounted in said leg to remove fluidizable material therefrom; and

(e) means in the upper chamber to remove fluidizing fluid therefrom, wherein the means to remove fluidizing fluid communicates with said leg, and said leg includes means to remove fluidizing fluid therefrom.

(Compl. specn. 19 pages. Drgs. 2 sheets).

CLASS : 32 E, 40 B. 152102.
Int. Cl. : B 01 j 1/00, 11/00. C 08 f 1/00, 15/00.

A PROCESS FOR THE PRODUCTION OF A COPOLYMER OF PROPYLENE AND BUT-1-ENE.

Applicants : NAPHTACHIMIE S.A. OF TOUR NEPTUNE, LA DEFENSE 1, 20 PLACE DE SEINE, 92400 COURBEVOIE, FRANCE.

Inventors : 1. BERNARD DESVIGNES 2. DANIEL DURAND AND 3. BERNARD MILLELIRI.

Application No. 58/Cal/80 filed January 16, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for the production of a copolymer of propylene and but-1-ene comprising copolymerisation of propylene and but-1-ene in the presence of a catalytic system comprising a titanium-trichloride base catalyst and one or more organometallic compounds of metals in groups II and III of the periodic table of elements characterized in that the molar ratio between the amounts of propylene and but-1-ene contained in that polymerisation medium being kept constant throughout the polymerisation operation and the proportion of units derived from but-1-ene is from 10 to 40% by weight and the proportion PRE of isolated ethyl branches with respect to the total of the ethyl branches of the copolymer is at least equal to the square of the proportion [P] of units derived from propylene contained in the said copolymers.

(Compl. specn. 19 pages. Drg. Nil).

CLASS : 69 A & K. 152103.
Int. Cl. H 01 h 71/00.

AUTOPNEUMATIC GAS-BLAST SWITCH OR CIRCUIT BREAKER.

Applicants : LICENTIA PATENT-VERWALTUNGS-G.M.B.H. OF D-6000 FRANKFURT AM MAIN, THEODOR-Stern-KAI 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. GUNTER MITTELBACH, 2. GUNTER HORSTMANN, 3. DIPLOM-INGENIEUR WERNER HEISS, 4. DIPLOM-INGENIEUR DIETRICH HOFFMANN AND 5. GUNTER SIEBRECHT, 6. DR. ING. KARL KRIECHBAUM, 7. GUNTER RAPP.

Application No. 259/Cal/80 filed March 5, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2—287GI/83

21 Claims.

An autopneumatic gas-blast switch having a nozzle, particularly a nozzle made of an insulating material, from which the insulating gas compressed in a pump during the switching off process is passed for the purpose of blowing off the electric arc struck between the contacts characterized in that the space into which the insulating gases flow, is surrounded by a cylindrical member, in which the nozzle and a shield provided with the nozzle are guided in sliding manner.

(Compl. specn. 22 pages. Drgs. 4 sheets).

CLASS : 14 A1.

152104.

Int. Cl. : H 01 m 1/00.

ELECTRIC BATTERIES.

Applicants : CHLORIDE GROUP LIMITED OF 52 GROS-VENOR GARDENS, LONDON SW1W 0AU, ENGLAND.

Inventors : 1. KENNETH HENSON AND 2. CHRISTOPHER TERRELL.

Application No. 269/Cal/80 filed March 7, 1980.

Convention date 7th March, 1979(08034/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

An electric battery in which the cell or cells are accommodated in a single container sealed by an inner lid and having a further outer lid secured thereto, the container and the outer lid having on one side an engaging rib and groove and on the other side respective substantially horizontal engagement surfaces, the battery further including fastening means engaging the two surfaces thereby securing the outer lid to the container.

(Compl. specn. 10 pages. Drgs. 3 sheets).

CORRECTION OF CLERICAL ERRORS

Under Section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the specification of Patent application No. 151583 were corrected on 4th August 1983.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3).

(1)

The title of the invention in the application and Specification as well as description and claims in the application of Patent application No. 149056 (earlier numbered as 149/Bom/77) the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 29th August 1981 has been corrected under Section 78(3) of the Patents Act, 1970.

- (a) Title to read as "An apparatus for tagging an animal ear".
- (b) In page 2 line 1 of complete specification delete :a method and'.
- (c) In page 2 of complete specification delete last two lines viz., "According to this invention with a punch".
- (d) In page 3 of complete specification delete first four lines viz., "as herein described in the ear".
- (e) Delete claims 1 and 7 and renumber the remaining claims.

(2)

"Claim 17 of the complete specification in respect of application for patent No. 148128 (1058/Cal/77) the acceptance of the complete specification of which was notified in part III Section 2 of the Gazette of India dated the 8th November, 1980 has been deleted".

(3)

The title of the invention in the application and specification as well as opening description of the specification of the patent application No. 148726 (earlier numbered as 1267/Cal/77) the complete specification which was notified in Part III Section 2 of the Gazette of India dated the 23rd March 1981 the title has been corrected to read as "Improvements in or relating to a device for quick pneumatic breaking of a diesel engine". And a consequence claims 1 to 8 and 13 have been deleted under Section 78(3) of the Patents Act, 1970.

PATENTS SEALED

150504 150558 150613 150625 150626 150944 150959 150972
 150973 150974 150975 150988 150989 150990 150991 150992
 151004 151012 151013 151014 151015 151017 151029 151031
 151033 151034 151035 151048 151051

AMENDMENT PROCEEDINGS UNDER SECTION 57 OF THE PATENTS ACT, 1970.

Notice is hereby given that Hindustan Machine Tools Limited, 36, Cunningham Road, Bangalore-560 052, Karnataka, a Government of India Undertaking, have made an application under section 57 of the Patents Act, 1970, for amendment of printed specification of their application for Patent Nos. 148681, 148785 and 148788 for "Hydraulic System for Automatic Speed Change and Spindle Braking of an Automatic Machine Tool" etc. The amendment by way of changing name from "Hindustan Machine Tools, Ltd." to "H.M.T. Limited." The application for amendment and the proposed amendments can be inspected free of charge, at the Patent Office Branch, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within 3 months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

AMENDMENT PROCEEDINGS UNDER SECTION 57.

(1)

The amendments proposed by Cegedur Soclete De Transformation Dc 1 Aluminium Pechinery, in respect of Patent application No 147678 as advertised in Part III Section 2 of the Gazette of India dated the 16th April, 1983 have been allowed.

(2)

Notice is hereby given that The Standard Oil Company, an Ohio corporation, having a place of business at Midland Building, Cleveland, Ohio 44115, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 149044 for "A process for the preparation of maleic anhydride". The amendments are by way of correction explanation so as to describe and ascertain the invention more correctly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

(3)

Notice is hereby given that Hindustan Machine Tools Limited, 36, Cunningham Road, Bangalore-560 052, Karnataka, a Government of India Undertaking, have made an application under Section 57 of the Patents Act, 1970, for amendment of printed specification of their application for Patent Nos. 148681, 148785 and 148788 for "Hydraulic System for Automatic

Speed Change and Spindle Braking of an Automatic Machine Tool" etc. The amendment by way of changing name from "Hindustan Machine Tools, Ltd." to "H.M.T. Limited". The application for amendment and the proposed amendments can be inspected free of charge, at the Patent Office Branch, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within 3 months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said Notice.

(4)

Notice is hereby given that Philips India Limited, a company incorporated in India under the Companies Act, 1956, of Shivasagar Estate 'Block A' Dr. Annie Besant Road, P.B. No. 6598, Worli, Mumbai-400018 Maharashtra State, India, has made an application under section 57 of the Patents Act 1970, for amendment of the Application, Specification and drawing of their application for Patent No. 136513 for "A carrier track or rail for use in a power track unit". The amendments are by way of correcting the name of the applicants company in the application form, specification and drawings. The application for the amendments and proposed amendments can be inspected free of charge at the Patent Office Branch, Lower Parel (w) Bombay-400013 or copies of the same can be had on payment of usual copying charges. Any person interested in opposition on form 30 within 3 months from the date of this notification, at the Patent Office Branch, Mumbai. If the written statement of opposition is not left with notice of opposition, it should be left within one month from the date of filing of said notice of opposition.

(5)

Notice is hereby given that Hindustan Machine Tools Ltd., 36, Cunningham Road, Bangalore-560052, Karnataka, a Government of India undertaking, have made an application under section 57 of the Patents Act, 1970 for amendment of printed specification of their application for Patent Nos. 148682, 148683, 143786, 148787, 148789, 148790 to 148795, 148579 and 148758 for "Hydraulic Circuit for the Automatic Motions of the Turret of a Turret E Lathe etc." The amendment are by way of changing name from "Hindustan Machine Tools Ltd." to "H.M.T. Limited". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with notice of opposition it shall be left within one month from the date of filing the said notice.

(6)

Notice is hereby given that Grindwell Norton Ltd., an Indian Company duly registered and incorporated under the companies Act, 1956 and having its registered office at Army and Navy Building 148 Mahatma Gandhi Road, Fort, Bombay 400 023 Maharashtra India have made an application under section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 148/Bom/80 for "A Process for the manufacture of Green Silicon Carbide (sic) using new carbonaceous material". The amendments are by way of correction to make the invention succinct and define the nature of invention. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estates Lower Parel Bombay-400013 on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within 3 months from the date of this notification at the Patent Office Branch, Bombay. If the written statement of opposition is not filed with notice of opposition it shall be left within one month from the date of filing the said notice.

(7)

The amendments proposed by GAF Corporation, in respect of patent No. 149951 as advertised in part III, section 2 of the Gazette of India dated the 5th February 1983 have been allowed.

(8)

The amendment proposed by Umeda Electronics Enterprises Laboratory Inc., in respect of patent application No. 149753 as advertised in Part III, Section 2 of the Gazette of India dated the 8th January, 1983 has been allowed.

(9)

Notice is hereby given that Shyam Sunder Ghose, of Belpahar Refractories Ltd., of Belpahar, Orissa, India, an Indian National has made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their patent application No. 149661 for "Process for preparing dead burnt magnesite based refractory sliding and fixed plates for use in sliding gate valve system". The amendments are by way to delete irrelevant page 5a. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(10)

Notice is hereby given that Elkem-Spigerverket A/S, a company incorporated under the laws of Norway, of Elkem-huset, Middelthuns gate 27, Oslo 3, Norway have made an application under Section 57 of the Patents Act, 1970 for amendment of the application form specification and drawings of their application for Patent application No. 151027 for "A seal arrangement for gas-tight insertion of electrodes in covered electrical smelting furnaces". The amendments are by way of changing their name from "Elkem-Spigerverket A/S" to "Elkem A/S". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

117596 117871 118248 119382 123489 123580 127437 128334
 128401 128555 129020 129488 130128 133027 133054 133270
 133549 133732 135633 136547 136981 137572 139118 139988
 140626 141629 141782 141804 141805 141908 142368 142403
 142509 142669 143076 143426 144677 144695 145478 145566
 146333 146331 146663 147134 148601 148895 148946 149029
 149514 149547 149663 149664 149999 150112 150116 150217
 150234 150327 150539 150639 150654 150663 150669 150703
 150714 150715 150716

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 147622 dated the 25th November, 1976 made by J. K. Industries Limited on the 24th January, 1983 and notified in the Gazette of India, Part-III, Section 2 dated the 23rd April, 1983 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 148076 dated the 19th November, 1979 made by Mandayam Ammanji Srishaila on the 15th January, 1983 and notified in the Gazette of India, Part-III, Section 2 dated the 23rd April, 1983 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 152805. Air Conditioning Corporation Ltd. 17 Taratala Road, Calcutta-700053, State of West Bengal, India, an Indian Company. "A Front Cover for an Air Conditioner". 28th February, 1983.

Class 1. No. 152759. Metal Box P.L.C., a British Company of Queen House, Forbury Road, Reading, Berkshire, England. "Lid for a Container". 9th February, 1983.

Class 1. No. 153005. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153007. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153008. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153009. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153010. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153011. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153012. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153013. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153014. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 1. No. 153015. Kishco Cutlery Limited, (a Company incorporated under the provisions of Indian Companies Act) of 'Nirmal', 3rd Floor, 241, Backbay Reclamation, Narimanpoint, Bombay 400 021, State of Maharashtra, India. "Spoon". 18th April, 1983.

Class 3. No. 152877. N. P. Kiniariwala Private Limited, of 148 Mukti Meidan, Maninagar, Ahmedabad-380008, Gujarat, India, an Indian Company. "Traverse Drum". 9th March, 1983.

Class 3. No. 153177. N. R. Dongre, Director Usha International (Prop. Gabral Sales Private Limited) Delhi, 8-Malcha Marg Market, New Delhi-110021, India. An Indian National. "U 'STOOL". 4th June, 1983.

Class 3. No. 152998. Arthur Joseph D'Cruz, an Indian Citizen Emily Villa, Padumjee Park, Poona-411 002, Maharashtra, India. "Toy Glider". 14th April, 1983.

Class 3. No. 152831. Dalmia Dairy Industries Ltd., an Indian Company of 11, ABC Atmaram House, 1, Tolstoy Marg, New Delhi-110001, Union Territory of Delhi, India. "Bottles or Jars". 5th March, 1983.

Class 3. No. 152813. L. V. Sham Cottage Industries, 2292/9, Gate Hakim, Amritsar-143001, Punjab State, an Indian Partnership concern. "TORCH". 2nd March, 1983.

Class 3. No. 152758. Metal Box P.L.C., a British Company of Queen House, Forbury Road, Reading, Berkshire, England. "Lid for a Container". 9th February, 1983.

Class 3. No. 152918. Feudor S.A., a limited liability company organised and existing under the laws of France, of 195-197 Avenue de Presseuse-69632 Venissieux Cedex, France. "A LIGHTER". 19th March, 1983.

Class 5. No. 152885. New Jothi Match Industries, Pazhamcottai Post, Tirunelveli District, Tamil Nadu. "Match Box". 10th March, 1983.

Extn. of Copyright for the Second period of five years.
Nos. 147837, 148048, 152271. Class—1.
Nos. 141300, 147520, 148131, 148106. Class—3.

Extn. of Copyright for the Third period of five years.
Nos. 147837, 148048, 144549, 152271. Class—1.
Nos. 148131, 148106. Class—3.

Name Index of Applicants for Patents for the month of June, 1983 (Nos. 687/Cal/83 to 817/Cal/83, 183/Bom/83 to 208/Bom/83, 123/Mas/83 to 147/Mas/83 and 365/Del/83 to 439/Del/83).

Name & Appln. No.

A—

ABEX Corporation.—774/Cal/83.

Agarwal, A.—130/Mas/83.

Agro Industries Limited.—695/Cal/83.

Aikoh Co., Ltd.—694/Cal/83.

AJO-Stahlbau GmbH & Co. KG.—798/Cal/83.

Aluminium Pechiney.—782/Cal/83.

Ambike, R. G.—184/Bom/83.

Anic S.p.A.—769/Cal/83.

Arbed S.A.—785/Cal/83.

Asahi Kasei Kogyo Kabushiki Kaisha.—812/Cal/83.

Name & Appln. No.

B—

Babcock & Wilcox Company, The.—688/Cal/83, 689/Cal/83, 690/Cal/83, 715/Cal/83, 807/Cal/83, 808/Cal/83, 809/Cal/83, 810/Cal/83.

Bajaj Auto Limited.—207/Bom/83, 208/Bom/83.

Balgopal, C.—145/Mas/83.

Baron, W.J.—788/Cal/83.

Barthakur, S.—741/Cal/83.

Baskaran, K. R.—123/Mas/83.

Beloit Corporation.—725/Cal/83.

Bethlehem Steel Corporation.—746/Cal/83.

Bharat Electronics Limited.—142/Mas/83.

Bhide, P.G.—193/Bom/83.

Bhole, A.G. (Dr.)—201/Bom/83, 202/Bom/83.

Bishop, A. E.—708/Cal/83.

Bridgestone Tire Company Limited.—724/Cal/83.

British Aerospace Public Limited Company.—815/Cal/83.

British Steel Corporation.—709/Cal/83.

British Telecommunications.—710/Cal/83.

Brown & Williamson Tobacco Corporation.—722/Cal/83, 723/Cal/83.

C—

Carrier Corporation.—705/Cal/83.

Castrol Limited.—434/Del/83.

Cement Research Institute of India.—412/Del/83.

Central Distillery & Brothers Ltd.—414/Del/83.

Chandwalker, K.T.—133/Mas/83.

Chauhan, G. P. S. (Dr.)—415/Del/83.

Chemicals & Fibres of India Ltd.—188/Bom/83.

Chemische Werke Huls Aktiengesellschaft.—786/Cal/83.

Chief Controller, Research & Development.—413/Del/83.

Chlorine Engineers Corp., Ltd.—198/Bom/83.

Cleaver, L.C.—788/Cal/83.

Condon, J.B.—189/Bom/83.

Council of Scientific and Industrial Research—370/Del/83, 382/Del/83, 392/Del/83, 393/Del/83, 394/Del/83, 406/Del/83, 407/Del/83, 416/Del/83, 417/Del/83, 418/Del/83, 436/Del/83, 437/Del/83, 438/Del/83, 439/Del/83.

D—

Dana Corporation.—739/Cal/83.

Das, B.—692/Cal/83.

Das, H.—766/Cal/83, 767/Cal/83.

Das, L.K.—365/Del/83, 366/Del/83.

David, T. J.—396/Del/83, 387/Del/83, 398/Del/83.

Degussa Aktiengesellschaft.—770/Cal/83.

Delhi Cloth & General Mills Co., Ltd.—375/Del/83, 376/Del/83, 377/Del/83.

Dennison Manufacturing Co.—402/Del/83.

Dharmarajan, N.—143/Mas/83.

Dikshit, S.C.—413/Del/83.

Donetsky Politekhnichesky Institut.—389/Del/83.

Dorr-Oliver Incorporated.—435/Del/83.

Dow Chemical Company, The.—711/Cal/83, 779/Cal/83, 780/Cal/83.

Duncans Agro Industries Limited.—736/Cal/83.

Dunlop India Limited.—712/Cal/83.

Duralswamy, N. N.—138/Mas/83, 139/Mas/83, 140/Mas/83

141/Mas/83.

Name & Appln. No.	Name & Appln. No.
—E—	—E—
Energie Froid International S.A.—702/Cal/83.	Kraftwerk Union Aktiengesellschaft.—743/Cal/83.
Enterprise Gagneraud Pere & Fils.—432/Del/83.	Krishnan, T.—137/Mas/83, 142/Mas/83.
Etablissements Morel-Ateliers Electromecaniques De Favieres, S.A.—772/Cal/83.	Kutty, P.V.M.—124/Mas/83.
Ethicon, Inc.—749/Cal/83.	—L—
Eutectic Corporation.—745/Cal/83.	L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude.—385/Del/83.
Exteco S.p.A.—765/Cal/83.	Lakshmi Narayana, K.—186/Bom/83.
Exxon Production Research Co.—390/Del/83.	Leclakrishna, K. (Mrs.)—146/Mas/83.
—F—	Leybold-Herseus GmbH.—701/Cal/83.
Fagnoni, G.M.—764/Cal/83.	Linde Aktiengesellschaft.—786/Cal/83, 791/Cal/83.
First Mississippi Corporation.—740/Cal/83.	Lubrizol Corporation, The.—789/Cal/83.
Fives-Cail Babcock.—735/Cal/83.	—M—
Forsman, L.O.—795/Cal/83	M.A.N. Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft.—793/Cal/83.
Freres, C.—755/Cal/83.	Madag Maschinen-und Apparatebau Dietikon AG.—787/Cal/83.
—G—	Mahapatra, S.—766/Cal/83, 767/Cal/83.
GIMAG Aktiengesellschaft.—400/Del/83.	Maschinenfabrik Reinhausen Gebruder Scheubeck GmbH & Co., KG.—384/Del/83.
GNB Batteries Inc.—781/Cal/83.	Maschinenfabrik Rieter AG.—716/Cal/83, 753/Cal/83.
General Electric Company, P.L.C., The.—383/Del/83.	Mehta, K.P.—698/Cal/83.
Gerland S.A.—408/Del/83.	Mehta, P.C.—698/Cal/83.
Gorkovsky Gosudarstvenny Meditsinsky Institut Imeni S.M. Kirova.—790/Cal/83.	Merck Patent Gesellschaft mit beschränkter Haftung.—761/Cal/83.
Gosudarstvenny Nauchno-Issledovatel'sky Institut Khimii i Tekhnologii Elementoorganicheskikh Soedineniy.—388/Del/83.	Metalgesellschaft A.G.—732/Cal/83, 799/Cal/83.
Gyogynoveny Kutato Intezet.—797/Cal/83.	Midrex Corporation.—691/Cal/83.
—H—	Mihara, O.—714/Cal/83.
Halcon Sd Group, Inc., The.—386/Del/83.	Mitter, K.A.—719/Cal/83.
Healthdyne Inc.—728/Cal/83.	Montedison S.p.A.—726/Cal/83.
Herter, E.—783/Cal/83.	Mukherjee, S.—194/Bom/83.
Herter, G.—783/Cal/83.	Murgai, M.P.—365/Del/83, 366/Del/83.
Hilton (Products), Limited.—792/Cal/83.	—N—
Hindustan Lever Ltd.—195/Bom/83.	Nagvenkar, S.S.—203/Bom/83.
Hoechst Aktiengesellschaft.—713/Cal/83.	Narang, H.B.—183/Bom/83.
Hoechst Pharmaceutical Ltd.—192/Bom/83.	Narang, I.B.—183/Bom/83.
Holcombe, C. E.—189/Bom/83.	Natarajan, G.V.—127/Mas/83.
House Food Industrial Company Limited.—760/Cal/83.	National Starch and Chemical Corporation.—405/Del/83.
Huemer, F. X.—773/Cal/83, 811/Cal/83.	Nivo Controls Pvt. Ltd.—205/Bom/83.
—I—	—O—
Imperial Chemical Industries PLC.—371/Del/83, 379/Del/83, 380/Del/83.	Oppen, M.V. (Dr.)—133/Mas/83.
Indian Council of Agricultural Research.—372/Del/83, 373/Del/83, 374/Del/83.	Otis Elevator Company.—426/Del/83.
Indian Institute of Technology, Kharagpur.—766/Cal/83, 767/Cal/83.	Owens-Corning Fiberglass Corporation.—796/Cal/83.
International Spike, Inc.—699/Cal/83.	—P—
International Standard Electric Corporation.—733/Cal/83, 794/Cal/83.	Palnitkar, G.P.R. (Dr.)—147/Mas/83.
Ion Exchange India Ltd.—190/Bom/83.	Parvatikar, V.K.—135/Mas/83.
Isloor, S.D. (Dr.)—136/Mas/83.	Paul Wurth S.A.—367/Del/83, 368/Del/83.
Itt Industries Inc.—696/Cal/83, 697/Cal/83.	Permelec Electrode Ltd.—717/Cal/83.
—J—	Pfizer Corporation.—404/Del/83.
Javid, C.S.—144/Mas/83.	Philippi-Hagenbuch Inc.—750/Cal/83.
Jhonson Matthey Public Limited Company.—693/Cal/83.	Philips, J.—143/Mas/83.
Joshi, D.M.—206/Bom/83.	Primatex Machinery Pvt. Ltd.—185/Bom/83.
Joshi, S.S.—187/Bom/83.	—R—
—K—	RCA Corporation.—813/Cal/83.
Kang, J. S.—369/Del/83.	Rao, E.G.—129/Mas/83.
Kar, A.K. (Dr.)—771/Cal/83.	Reddy, C.R.—128/Mas/83.
Kashikar R.R. (Mrs.)—199/Bom/83.	Regents of the University of Minnesota.—802/Cal/83.
Kirlosker Electric Company Limited.—125/Mas/83.	Registrar, Indian Institute of Technology, Kharagpur.—766/Cal/83, 767/Cal/83.
Kobe Steel, Ltd.—718/Cal/83.	Rhone-Poulenc Films.—734/Cal/83, 814/Cal/83.
	Rhone-Poulenc Sante.—410/Del/83.

Name & Appln. No.
Richter Gedeon Vegyeszeti Gyar R.T.—422/Del/83.
Ritzl, I.H. (Dr.)—777/Cal/83.
Robin, J.A.—755/Cal/83.
Roto-Master, Inc.—742/Cal/83.
Rotork Controls Limited.—727/Cal/83.
Rudra, D.D.—204/Bom/83.
Ryffel Limited.—387/Del/83.

—S—

SKF (U.K.) Limited.—816/Cal/83.
Schlotter, G. (Mrs.)—762/Cal/83.
Schlumberger Limited.—778/Cal/83.
Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The.—430/Del/83.
Sengupta, C. (Km.)—687/Cal/83.
Sengupta, D.N.—687/Cal/83.
Sengupta, M. (Km.)—687/Cal/83.
Servipharm Ltd.—805/Cal/83.
Sharma, R.—391/Del/83.
Shell Internationale Research Maatschappij B.V.—395/Del/83.
Shri Ram Institute for Industrial Research.—427/Del/83, 428/Del/83, 429/Del/83.
Siemens Aktiengesellschaft.—706/Cal/83, 737/Cal/83, 744/Cal/83, 756/Cal/83.
Single Buoy Moorings, Inc.—729/Cal/83, 730/Cal/83.
Sinter Limited.—421/Del/83.
Smit, J.H.—768/Cal/83.
Snamprogetti S.p.A.—769/Cal/83.
Snia Fibre S.p.A.—817/Cal/83.
Societe Chimique Des Charbonnages S.A.—703/Cal/83.
Societe Nationale D'Etude Et De Construction De Moteurs D'Aviation "S.N.E.C.M.A."—409/Del/83.
Southern Magnetics Private Limited.—123/Mas/83.
Standard Oil Co., The.—403/Del/83, 411/Del/83.
Stauffer Chemical Company.—775/Cal/83.
Sulzer Brothers Ltd.—401/Del/83, 419/Del/83, 420/Del/83.
Syva Company.—747/Cal/83.

—T—

Tailby, R.A.—707/Cal/83.
Tambar, A.—381/Del/83.
Taprogge Gesellschaft mbH.—804/Cal/83.
Tecumseh Products Company.—800/Cal/83, 801/Cal/83.
Tesa S.A.—424/Del/83.

Name & Appln. No.
Thaker, S.H.—196/Bom/83, 197/Bom/83, 200/Bom/83.
Thangiah, G.—126/Mas/83.
Toshin Kogyo Co., Ltd.—776/Cal/83.
Tucker, M.C.—748/Cal/83.

—U—

U.O.P. Inc.—378/Del/83.
Ukrainsky Nauchno-Issledovatelsky Uglekhimichesky Institut.—803/Cal/83.
Union Carbide Corporation.—731/Cal/83, 754/Cal/83, 763/Cal/83, 806/Cal/83.
Union Carbide Corporation (Contd.)—399/Del/83, 423/Del/83, 431/Del/83, 433/Del/83.
United Technologies Corporation.—700/Cal/83.

—V—

VOP Inc.—378/Del/83.
V.M. Rao Consultants Pvt. Ltd.—134/Mas/83.
Valk, I.M.—759/Cal/83.
Vergheze, A.M. (Mrs.)—132/Mas/83.
Vergheze, M.—131/Mas/83.
Vickers, Incorporated.—757/Cal/83, 758/Cal/83.
Vishwakarma, R.S.P.—191/Bom/83.
Voest-Alpine Aktiengesellschaft.—720/Cal/83.
Vsesojuzny Nauchno-Issledovatelsky Institut Nerudnykh Stroitelnykh Materialov I Gidromekhanizatsii.—784/Cal/83.

—W—

W & T Avery Limited.—425/Del/83.
West Point-Pepperell, Inc.—752/Cal/83.
Western States Machine Company, The.—738/Cal/83.
Westinghouse Electric Corporation.—704/Cal/83, 721/Cal/83, 731/Cal/83.
Windsorsmith, C.P.—707/Cal/83.

—X—

Xavier, G.R.M.—387/Del/83.

DR. K. V. SWAMINATHAN
Controller-General of Patents,
Designs and Trade Marks